BRUHATH BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA DIVISION

Comparitive Statement

Name of Work	Improvements to roads and drains at MCECHS layout in ward no. 05 Byataranapura Sub Division
Estimate Amount:-	400.00 Lakhs
Amount put to Tender	Rs 35000078.18/-
Name of Contractor:-	M/s Sathya Constructions Prop.Sri . R . Satheesh No;600 Down Bazaar Road, Yelahanka Bengaluru-560064
Approved amount:-	36743082.070
Tender premium:-	4.98% Above

Sl No	Description of Work	Unit	Qty as per Quoted Rate			Total Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16	17
1	Removing B S Slab of Drain and stacking and (5km lead = 57+2*1 28X5) complete as per specifications and directions of the Engineer in charge	Sqm	2923 20	183 44	536231 81	2696 04	2696 04	183 44	494562 00	0 00	183 44	0 00	2696 04	494562 00	0 00	41669 81	
2	Dismantling of existing structures like culverts bridges retaining walls and other structure comprising of masonry cementconcrete wood work steel work including T&P and scaffolding wherevernecessary sorting the dismantled material disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications iii)Dismantling Stone Masonry B Rubble Stone masonry in cement mortar No KBS (8km lead = 57+2*1 28X5) complete as per specifications and directions of the Engineer in charge	Cum	28 98	463 86	13442 66	60 01	36 23	463 86	16804 00	23 78	463 86	11032 00	60 01	27836 00	14393 34	0 00	
3	Dismantling of existing structures like culverts bridges retaining walls and other structure comprising of masonry cement concrete, wood work, steel work including T& P and scaffolding wherever necessary sorting the dismantled material disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications i) Lime /Cement Concrete 1 By Manual Means B Cement Concrete Grade M-15 & M-20 MORTH (8km lead = 57+2*1 28X5) complete as per specifications and directions of the Engineer in charge	Cum	140 35	693 10	97279 36	243 27	175 44	693 10	121600 00	67 82	693 10	47009 00	243 27	168609 00	71329 64	0 00	
4	Earthwork excavation by manual means for roads drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods(8km lead = 57+2*1 28X5) complete as per specifications and directions of the Engineer in charge	Cum	3108 40	217 94	677444 70	3867 02	3867 02	217 94	842780 00	0 00	217 94	0 00	3867 02	842780 00	165335 30	0 00	
5	Providing and laying Plain cement concrete of mix1 3 6 with OPC cement @ 220kgs with crushed 40mm and down size graded granite metal coarse aggregates @ 0 80cum and fine aggregates @ 0 46cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour HOM curing form work Scaffolding and Centering complete as per specifications and directions of the Engineer in charge	Cum	395 82	5963 50	2360472 57	351 60	351 60	5963 50	2096749 00	0 00	5963 50	0 00	351 60	2096749 00	0 00	263723 57	
6	Providing laying plain reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs With 20mm and Down size granite metal coarse aggregate at 0 69cum and fine aggregate at 0 47cum Machne mixed well compacted for wall and Bottom including centering shuttering cost of materials HOM of Machinery Curing Etc Complete Excluding cost of Steel as per morth MORTH specification No 1500 1700 2200 Including Cost of material Labour HOM complete as per Specification-WALL & Bottom thickness 15Cm complete as per specifications and directions of the Engineer in charge	Cum	858 07	7792 65	6686639 19	793 71	793 71	7792 65	6185116 00	0 00	7792 65	0 00	793 71	6185116 00	0 00	501523 19	
7	Providing T M T bars Fe 500 steel reinforcement for R C C work including straightening cutting bending hooking placing in position lapping and / or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete as per specifications MORTH complete as per specifications and directions of the Engineer in charge	tonne	53 63	84137 90	4512324 24	50 09	50 09	84137 90	4214689 00	0 00	84137 90	0 00	50 09	4214689 00	0 00	297635 24	

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Description of Work	Unit	Qty as per Quoted Rate			Total Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total		Difference		Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
2	3	4	5	6		7	8	9	10	11	12	13	14	15	16	17
Providing and Fixing pre cast covering Slab made out of CC 1 2 4 with 40mm thick and Finishing cutting including form work curing including cost of all materials labour hire charges of machinery loading unloading lead and lift transportation etc copmplete (Data Rate) complete as per specifications and directions of the Engineer in charge	Sqm	2092 20	2453 38	5132961 64	1811 25	1811 25	2453 38	4443685 00	0 00	2453 38	0 00	1811 25	4443685 00	0 00	689276 64	
9 Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jolls 20mm Down size with steel reinforcement including form work curing including cost of alll materials labour hire charges of machinery loading unloading lead and lift transportation etc complete as per specifications and directions of the Engineer in charge	Sqm	200 22	5687 82	1138815 32	160 02	160 02	5687 82	910165 00	0 00	5687 82	0 00	160 02	910165 00	0 00	228650 32	
10 Providing and laying in position plain cement concrete of Mix 1 2 4 with OPC @ 240kgs with 20mm and down size graded granite metal coarse aggregates @ 0 878 cum and fine aggregates @ 0 53cum machine mixed, concrete laid in layers not exceeding 15 cms thick well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM curing complete as per specifications and directions of the Engineer in charge	Cum	44 16	6329 82	279524 85	37 96	37 96	6329 82	240311 00	0 00	6329 82	0 00	37 96	240311 00	0 00	39213 85	
11 Removing and resetting of kerb stones complete as per specifications and directions of the Engineer in charge	m	995 00	110 17	109619 15	0 00	0 00	110 17	0 00	0 00	110 17	0 00	0 00	0 00	0 00	109619 15	
12 Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1 2 4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1 3 plastering and finishing curing including formwork curing including cost of materials, labour charges of machinery loading and unloading, lead and lift transportation etc complete as per specifications and directions of the Engineer in charge	Nos	2696 00	454 02	1224037 92	4219 00	3370 00	454 02	1530048 00	849 00	454 02	385461 00	4219 00	1915509 00	691471 08	0 00	
13 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and directions of the Engineer in charge	Sqm	883 20	89 02	78622 46	759 30	759 30	89 02	67593 00	0 00	89 02	0 00	759 30	67593 00	0 00	11029 46	
14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers trimming bottom and side slopes, in accordance with requirements of lines grades and cross sections, and transportation with a lead of 1 to 1 km and complete as per specifications and directions of the Engineer in charge (8 km lead = 2*1 28X5)	Cum	419 88	59 06	24797 88	1145 65	524 85	59 06	30998 00	620 81	59 06	36666 00	1145 65	67664 00	42866 12	0 00	
15 Construction of Embankment with Material Gravel/ Murrum KSRRB M300-4 Construction of embankment with approved material Gravel/Murrum with all lifts and leads transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications and directions of the Engineer in charge	Cum	1485 90	361 66	537390 59	2363 66	1857 38	361 66	671739 00	506 29	361 66	183103 00	2363 66	854842 00	317451 41	0 00	
16 Scarifying by mechanical means stone metal crust 50mm to 100mm thick with pick axes along with premix carpet surface dressing and stacking of sold serviceable materials including cost of all labour charges complete as per specifications and directions of the Engineer in charge	Sqm	4112 10	43 40	178465 14	3234 69	3234 69	43 40	140386 00	0 00	43 40	0 00	3234 69	140386 00	0 00	38079 14	
17 Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications and directions of the Engineer in charge	Sqm	4112 10	6 68	27468 83	5069 16	5069 16	6.68	33863 00	0 00	6 68	0 00	5069 16	33863 00	6394 17	0 00	
18 Construction of granular sub-basic Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material mixing in a mechanical mix plant at OMC Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density complete as per specifications and directions of the Engineer in charge	Cum	642 82	2094 27	1346228 17	795 30	795 30	2094 27	1665566 00	0 00	2094 27	0 00	795 30	1665566 00	319337 83	0 00	
19 Providing laying, spreading and compacting crushed stone aggregates of granite trap basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and directions of the Engineer in charge	Cum	1337 06	2100 94	2809080 74	1624 52	1624 52	2100 94	3413018 00	0 00	2100 94	0 00	1624 52	3413018 00	603937 26	0 00	

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		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt	QTY	AMOUNT	excess amount	Savings amount	
2	3	4	5	6		7	8	9	10	11	12	13	14	15	16	17
Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials labhour HOM of machineries complete as per specifications and directions of the Engineer in charge	Sqm	5813 30	23 37	135856 82	7582 75	7266 63	23 37	169822 00	316 13	23 37	7388 00	7582 75	177210 00	41353 18	0 00	
21 Providing and applying primer coat with S S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0 60 kg / sqm using mechanical means complete as per specifications and directions of the Engineer in charge	Sqm	9053 83	35 61	322406 71	8878 16	8878 16	35 61	316152 00	0 00	35 61	0 00	8878 16	316152 00	0 00	6254 71	
22 Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading premixed with VG30 grade bituminous binder and transporting the hot mix to work site laying to the required grade level and alignment rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H M P with Mechanical paver Gr-II (50 mm to 75 mm) with 4 5 % VG-30 Bitumen complete as per specifications and directions of the Engineer in charge	Cum	452 69	7655 98	3465795 16	443 91	443 91	7655 98	3398550 00	0.00	7655 98	0 00	443 91	3398550 00	0 00	67245 16	
23 Cleaning the existing black topped surface with brooms soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials labhour HOM of machineries complete as per specifications and directions of the Engineer in charge	Sqm	12962 10	5 56	72069.28	12998.77	12998 77	5 56	72274 00	0.00	5.56	0 00	12998 77	72274 00	204 72	0 00	
24 Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2 5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials labour HOM complete as per specifications and directions of the Engineer in charge	Sqm	12962 10	13 35	173044.04	12998.77	12998 77	13 35	173534 00	0.00	13 35	0 00	12998 77	173534 00	489 96	0 00	
25 Providing and laying Bituminous Concrete 40 mm thick with hot mix plant using crushed aggregates of specified grading premixed with bituminous binder and filler transporting the hot mix to work site laying with a paver finisher to the required grade level and alignment rolling with smooth wheeled vibrators and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver Gr-II (30-45mm) with 5 4 % of modified bitumen binder consisting of 4 97% VG- 30 bitumen (60/70 grade) 0 43% Plastomeric Thermoplastics (Waste plastic Additive) complete as per specifications and directions of the Engineer in charge	Cum	518 48	8970 18	4650894.81	519 95	519 95	8970 18	4664051 00	0.00	8970.18	0 00	519 95	4664051 00	13156 19	0 00	
26 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface Providing and laying of hot applied thermoplastic compound 2 5 mm thick including reflectorising glass beads at 250 gms per sqm area. thickness of 2 5 mm is exclusive of surface applied glass beads as per IRC 35 standards specified The finished surface to be level uniform and free from streaks and holes complete as per specifications and directions of the Engineer in charge	Sqm	318 75	477 39	152168.06	330 31	330 31	477 39	157685 00	0.00	477 39	0 00	330 31	157685 00	5516 94	0 00	
Grand Total				**36743082.07**				**36071740.00**			**670659.00**	**73034.85**	**36742399.00**	**2293237.16**	**2293920.23**	

Cross Check

Tender Amount	**36743082.07**
Executed Amount	**36742399.00**
	683.07

Total Saving Amount	**2293920.23**
Total Excess Amount	**2293237.16**
	683.07

Contractor

Assistant Engineer

Assistant Executive Engineer

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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